

CLAIMS:

1. A filter-drier for drying refrigerant circulated in a refrigeration system by removing moisture therefrom, the filter-drier comprising:
- (a) a casing having an inlet for receiving refrigerant, and an outlet for discharging refrigerant, the casing including opposed end portions and an intermediate portion disposed between said end portions and having an inner surface;
 - (b) a molded core disposed in said casing between said inlet and outlet and receiving flow of refrigerant therethrough; and
 - (c) holding means between the casing inner surface and said core outer surface for holding the core in place.
2. A filter-drier as defined in claim 1, wherein:
the holding means includes at least one protrusion from the inner surface of the casing engaging the outer surface of the core to inhibit axial movement of the core.
3. A filter-drier as defined in claim 1, wherein:
the holding means includes bonding means between the inner surface of the casing and the outer surface of the core to inhibit axial movement of the core.

- Sub. 92 cont.*
4. A filter-drier as defined in claim 2, wherein:
the protrusion is circular and extends into the outer surface of the core.
5. A filter-drier as defined in claim 1, wherein:
the casing includes a cylindrical intermediate portion and the opposed end portions are funnel shaped.
6. A filter-drier as defined in claim 1, wherein:
the core includes a cylindrical portion.
7. A filter-drier as defined in claim 1, wherein:
the core includes a frusto-conical portion and a passage having a closed end proximate the inlet and an open end portion proximate the outlet.
8. A filter-drier as defined in claim 7, wherein:
the cylindrical portion of the core is bonded to the cylindrical portion of the casing.
9. A filter-drier as defined in claim 1, wherein:
the core is formed from molded desiccant and a binder.

10. A method of manufacturing a filter-drier having a tubular casing and a desiccant core between an inlet and an outlet comprising the steps of:
forming an indentation in the tubular casing, and
molding a desiccant core within the tubular casing around the indentation to conform to the configuration of the indentation.

11. A method of manufacturing a filter-drier as defined in claim 9, comprising the additional step of:
forming the core with a passage having a closed end adjacent the inlet and an open end adjacent the outlet.

12. A method of manufacturing a filter-drier as defined in claim 10 comprising the additional step of:
forming the indentation as a U-shaped circular groove.

13. A method of manufacturing a filter-drier having a tubular casing and a desiccant core between an inlet and an outlet comprising the steps of:
dividing an elongate tube into sections;
forming indentations in each section;
cutting each section to provide a plurality of tubular casings, having opposed ends; and

molding a desiccant core within each tubular casing to conform to the configuration of the indentation.

14. A method of manufacturing a filter-drier as defined in claim 13, comprising the additional step of:

reducing at least one of the ends of each tubular section by metal spinning into a funnel shaped configuration.

Adul 95